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PATENT  
Case No. 6667/25

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: )  
)  
Sakurai et al. )  
) Group Art Unit:  
Serial No.: )  
) Examiner:  
Filed: October 31, 2001 )  
)  
For: PRESSURE SENSITIVE ADHESIVE )  
SHEET AND PRESSURE SENSITIVE )  
SHEET WITH A RELEASE SHEET )

PRELIMINARY AMENDMENT

Commissioner of Patents  
Washington, D.C. 20231

Dear Sir:

Before considering the application, please enter the following amendments.

## AMENDMENT

### In the claims:

Please cancel claims 1-13. Please add the following new claims:

14. (New) A pressure sensitive adhesive sheet comprising a base and a pressure sensitive adhesive layer provided on the base, wherein the content of silicone compound in the pressure sensitive adhesive sheet is equal to or less than  $500 \mu\text{g}/\text{m}^2$ .
15. (New) The pressure sensitive adhesive sheet of claim 14 wherein the amount of gas generated from the pressure sensitive adhesive sheet at a temperature of  $85^\circ\text{C}$  for 30 minutes is equal to or less than  $20 \text{ mg}/\text{m}^2$ .
16. (New) The pressure sensitive adhesive sheet of claim 14 wherein the sum of amounts of  $\text{NO}_x^-$ ,  $\text{Cl}^-$ ,  $\text{PO}_4^{3-}$ ,  $\text{K}^+$ ,  $\text{F}^-$ ,  $\text{Na}^+$  and  $\text{Ca}^{2+}$  contained in the pressure sensitive adhesive sheet is equal to or less than  $20 \text{ mg}/\text{m}^2$ .
17. (New) The pressure sensitive adhesive sheet of claim 15 wherein the sum of amounts of  $\text{NO}_x^-$ ,  $\text{Cl}^-$ ,  $\text{PO}_4^{3-}$ ,  $\text{K}^+$ ,  $\text{F}^-$ ,  $\text{Na}^+$  and  $\text{Ca}^{2+}$  contained in the pressure sensitive adhesive sheet is equal to or less than  $20 \text{ mg}/\text{m}^2$ .
18. (New) The pressure sensitive adhesive sheet of claim 14 wherein the base is formed from a plastic film or a lint free paper.
19. (New) The pressure sensitive adhesive sheet of claim 15 wherein the base is formed from a plastic film or a lint free paper.
20. (New) The pressure sensitive adhesive sheet of claim 14 wherein an antistatic layer is provided between the base and the pressure sensitive adhesive layer.

21. (New) The pressure sensitive adhesive sheet of claim 15 wherein an antistatic layer is provided between the base and the pressure sensitive adhesive layer.
22. (New) The pressure sensitive adhesive sheet of claim 20 wherein the antistatic layer includes at least one antistatic agent selected from the group consisting of carbon black, metal-based conductive filler, metal oxide-based conductive filler and  $\pi$  electron conjugated conductive polymer.
23. (New) The pressure sensitive adhesive sheet of claim 20 wherein the antistatic layer is composed of a thin film of a metal or metal oxide.
24. (New) The pressure sensitive adhesive sheet of claim 20 wherein the surface resistivity of the antistatic layer is in the range of  $1 \times 10^4 - 10^{12} \Omega$ .
25. (New) The pressure sensitive adhesive sheet of claim 21 wherein the surface resistivity of the antistatic layer is in the range of  $1 \times 10^4 - 10^{12} \Omega$ .
26. (New) A pressure sensitive adhesive sheet with a release sheet comprising the pressure sensitive adhesive sheet as defined in claim 14 and a release sheet attached to the pressure sensitive adhesive sheet, the release sheet having a releasing agent layer.
27. (New) The pressure sensitive adhesive sheet of claim 26 further comprising a count of generated particles having a diameter of  $0.1 \mu\text{m}$  or more generated from the pressure sensitive adhesive sheet with the release sheet is equal to or less than 100 particles/liter.
28. (New) The pressure sensitive adhesive sheet of claim 26 wherein the releasing agent layer is formed of a material containing an olefin-based thermoplastic elastomer and a polyethylene resin.

29. (New) The pressure sensitive adhesive sheet of claim 27 wherein the releasing agent layer is formed of a material containing an olefin-based thermoplastic elastomer and a polyethylene resin.

30. (New) The pressure sensitive adhesive sheet of claim 28 wherein the weight ratio of the olefin-based thermoplastic elastomer with respect to a polyethylene resin is in the range of 25:75 to 75:25.

31. (New) The pressure sensitive adhesive sheet of claim 29 wherein the density of the olefin-based thermoplastic elastomer is in the range of 0.80 to 0.90 g/cm<sup>3</sup>.

32. (New) The pressure sensitive adhesive sheet of claim 30 wherein the density of the olefin-based thermoplastic elastomer is in the range of 0.80 to 0.90 g/cm<sup>3</sup>.

**REMARKS**

It is believed that all the claims are in condition to be allowed and notification to that effect is requested. If, for any reason, the Examiner feels that the above amendments and remarks do not put the claims in condition for allowance, the undersigned attorney can be reached at (312) 321-4276 to resolve any remaining issues.

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Respectfully submitted,

A handwritten signature in cursive script, appearing to read "G. Peter Nichols", written over a horizontal line.

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